

Topic Sentence: To further improve the citrus volcano experiment, several key changes could be implemented. Relevance: By incorporating these improvements, such as expanded acidity measurements, control samples, standardized quantities, and temperature monitoring, the research team could generate stronger, more detailed data on the relationship between citrus acidity and the reaction with baking soda. Additionally, including a neutral liquid as a control sample would help distinguish the specific impact of citrus acidity. Explanation: Directly measuring the acidity (pH) of the citrus fruits would provide more precise data on how acidity affects the reaction. Evidence: Ensuring that each fruit sample contains the same amount of material would create more consistent and comparable results across the different citrus types. Recording the temperature during the experiment could also reveal how external factors, such as temperature, influence the reaction dynamics.